

ALYSSA C. FRAZEE

Johns Hopkins Bloomberg School of Public Health
Department of Biostatistics
615 North Wolfe Street
Baltimore, MD 21205

afraze@jhsph.edu
(651) 470-3980
<http://www.biostat.jhsph.edu/~afraze>

EDUCATION

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
Ph.D. student in Biostatistics, 2010-present. Advisor: Jeffrey Leek

St. Olaf College, Northfield, MN

B.A. in Mathematics (concentration in Statistics) with distinction in Statistics, *summa cum laude*, 2010

HONORS, AWARDS, AND SCHOLARSHIPS

2012-2015	Hopkins Sommer Scholar (beginning Fall 2012)
2012	Helen Abbey Award for Excellence in Teaching
2010-2011	Predoctoral Training Program in Biostatistics for Genetics/Genomics
2010	Gertrude M. Cox Scholarship Winner
2010	Phi Beta Kappa
2009	Barry M. Goldwater Scholarship, Honorable Mention
2007-2010	NSF Undergraduate Research Fellowship
2007	Miles Johnson Scholarship (for outstanding contributions to the St. Olaf Band)
2006-2010	Buntrock Regents Academic Scholarship, St. Olaf College
2006-2010	Dean's List, St. Olaf College (all terms)
2006	National Merit Scholar (St. Olaf College National Merit Scholarship, 2006-2010)

RESEARCH ACTIVITIES

2011-present	Research Assistant, Johns Hopkins Department of Biostatistics
2007-2010	Fellow, St. Olaf College Center for Interdisciplinary Research
2010-2011	Predoctoral Training Program in Biostatistics for Genetics/Genomics
2009	NSF-REU Undergraduate Summer Researcher, James Madison University
2009	St. Olaf College Math Practicum Student (January term)

PUBLICATIONS

Fraze AC, Langmead B, Leek JT (2011). “ReCount: A multi-experiment resource of analysis-ready RNA-seq gene count datasets.” *BMC Bioinformatics* 12:449. **[highly accessed]**

Fraze AC, Hathcock MA, Bates Prins SC (2010). “Distance Functions and Attribute Weighting in a k -nearest Neighbors Classifier with an Ecological Application.” Electronic Proceedings of Undergraduate Mathematics Day at the University of Dayton.

PRESENTATIONS

Fraze AC, Hansen K, Langmead B, Leek J (2011). “Cloud-scale differential gene expression from RNA-seq.” Poster presented at Statistical Methods for Very Large Datasets Conference; Baltimore, MD; June 2011.

Fraze AC, Loomis AM, Petersen AJ (2010). “Are St. Olaf placement exams working?: An analysis of chemistry placement data.” Poster presented at National Conference for Undergraduate Research, University of Montana, April 2010, and at 10th annual St. Olaf Science Symposium.

Fraze AC, Hathcock MA, Bates Prins SC (2009). “Distance Functions and Attribute Weighting in a k -nearest Neighbors Classifier with an Ecological Application.” Talk presented at Undergraduate Mathematics Day, University of Dayton, OH, November 2009.

Ettel MG, **Fraze AC**, Lee C (2009). “Statistical Methods to Improve the Transcriptome Map of *Mycobacterium tuberculosis*.” Poster presented at National Conference for Undergraduate Research, University of Wisconsin – La Crosse, April 2009, and at 9th annual St. Olaf Science Symposium.

Atchison E, Foss S, **Fraze A**, Lee C (2008). “The Northern Cities Vowel Shift Among Hmong-Americans.” Poster presented at 8th annual St. Olaf Science Symposium

PEER REVIEW ACTIVITIES

Peer Reviewer for *Nucleic Acids Research*

TEACHING

Spring 2012	Teaching Assistant/Statistical Consultant for Master’s in Public Health capstone projects, Johns Hopkins School of Public Health
Fall 2011	Lead Teaching Assistant , 140.611-612: Statistical Reasoning in Public Health, Johns Hopkins Department of Biostatistics
Spring 2010	Teaching Assistant , Stat 316: Advanced Statistical Modeling, St. Olaf College
Fall 2009	Elementary Statistics Tutor , St. Olaf College
Spring 2007	Calculus I Tutor , St. Olaf College

SERVICE

2012-present	Mentor to high school student (through Incentive Mentoring Program)
2011-2012	Coordinator , Johns Hopkins Biostatistics Student Computing Club
2008-2010	Co-President , InterVarsity Christian Fellowship, St. Olaf College

WORK EXPERIENCE

2007-2008	Summer Intern – Technical Aide , 3M Company, Corporate Research Materials Laboratory, St. Paul, MN
-----------	---

COMPUTING SKILLS

Statistical Software: R, Stata, some SAS

Programming: Python, Bourne/Bash scripting, some C++

Document Preparation: LaTeX, HTML, Microsoft Office

Last updated March 14, 2012